

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-17 15:14:11  
 Date of Next Testing: 2028-03-06 15:14:11  
 Product Name: **Sucrose**  
 CAS Number: 57-50-1  
 Specifications & Purity: Moligand™, Suitable for molecular biology, ≥99.5%(HPLC)  
 Lot #: C2609448  
 SKU #: **S112234**  
 Version: **1**  
 Analysis #: **518968**  
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.01 (%)	0.00000 %
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Free acid	0-0.0008 (mg/g)	0.00000 mg/g
Insoluble matter	0-0.005 (%)	0.00000 %
Invert sugar	0-0.1 (%)	0.03250 %
Purity(HPLC)	99.5-100 (%)	100.00000 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-50 (ppm)	0.52400 ppm
Melting point	160-187 (°C)	165.86000 °C
Loss on drying(105°C)	0-0.03 (%)	0.01596 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	66.3-67 (°)	66.35000 °
Appearance (S112234)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
DNase, RNase and Protease	None Detected	none detected



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager